IN THE CLAIMS

1.   (cancelled)

2.   (currently amended) A data transmission control method, comprising: according to claim 1, characterized in that
repetitively transferring a cyclic data unit for a desired period of time, the cyclic data unit including desired data that is also transferred,
processing the cyclic data unit by enabling a client that receives the cyclic data unit from a server to determine that the cyclic data unit contents were switched, and
control information whose contents are switched in accordance with the switching control information of said cyclic data unit is included in said the cyclic data unit, and
said cyclic data unit switching wherein processing the cyclic data is realized by setting a control information change event which denotes that said the control information has been received under a standard of a predetermined interface, and
thereafter, executing at least -
a first process for allowing the client to transmit a subscribe event to subscribe indicate a reception of said the control information change event to said the server, a second process for allowing the client to transmit an event notice request to request a requesting notification of a generation of an event to the server, and
a third process for notifying the client of a fact that the control information change event has been generated when the changed control information is received as a response of by the server in response to said the event notice request.

3.   (currently amended)   A data transmission control method according to claim 2, characterized in that the wherein

transmission of ~~said~~ the subscribe event as said first process is executed when the contents of ~~said~~ the cyclic data unit are switched.

4.   (currently amended)   A data transmission control method according to claim 2, ~~characterized in that the~~ wherein transmission of ~~said~~ the subscribe event as said first process is executed when a program of ~~said~~ the client is activated.

5.   (currently amended)   A data transmission control method according to claim 2, ~~characterized in that~~ wherein after ~~said~~ the server notifie~~sd~~ ~~said~~ the client of ~~the~~ generation of ~~said~~ the control information change event by said third process, ~~said~~ the client continuously uses the cyclic data unit before ~~said~~ the control information change event in said third process is generated within a predetermined period of time until a release request of the cyclic data unit corresponding to said changed control information is transmitted to ~~said~~ the server.

6.   (cancelled)

7.   (currently amended)   A data transmission control method, ~~according to claim 6, characterized in that~~ comprising:
         repetitively transferring a cyclic data unit, the cyclic data unit including one or more data transmission units that are to be transferred for a predetermined period of time, each data transmission unit including an object that is related by a scenario description of a predetermined system, and
         processing the cyclic data unit by enabling a client that receives the cyclic data unit from a server to be notified that the object has been updated, and
         wherein control information whose contents are updated in accordance with the updating of ~~said~~ the object and relate~~s~~

to ~~said~~ the data transmission unit is included in ~~said~~ the cyclic data unit, ~~and~~

said ~~object updating notifying~~ processing step ~~is realized~~including ~~by~~ setting a control information updating event which denotes that ~~said~~ the control information has been received under a standard of a predetermined interface, and

thereafter, executing at least_-

a first process for allowing the client to transmit a subscribe event to ~~subscribe a~~ indicate reception of ~~said~~ the control information updating event to ~~said~~ the server,

a second process for allowing the client to transmit an event notice ~~request to request a~~ requesting notification of ~~a~~ generation of an event to the server, and

a third process for notifying the client ~~of a fact~~ that the control information updating event has been generated when the updated control information is received as a response ~~of~~ by the server to ~~said~~ the event notice request.

8.   (currently amended)   A data transmission control method according to claim 7, ~~characterized in that~~wherein said third process adds identification information of the data transmission unit shown by the updated control information and notifies the client ~~of a fact~~ that, a control information receiving event has been generated.

9.   (currently amended)   A data transmission control method according to claim 7, ~~characterized in that said~~wherein the method further ~~is constructed in a manner such that the transmission of~~comprises transmitting ~~said~~ the subscribe event as part of said first process ~~is executed~~ when a program of ~~said~~ the client is activated or when ~~said~~ the cyclic data unit ~~itself~~ is switched.

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10. (currently amended)   A   data   transmission   control method according to claim 7, ~~characterized in that said~~ the method comprising ~~is constructed in a manner such that after a response message for said event notice request from said server was obtained, the event notice request as~~executing said second process ~~is~~ immediately ~~executed~~ after a response message for said event notice request from said server is obtained.

11. (currently amended)   A   data   transmission   control method according to claim ~~6~~7, ~~characterized in that~~ wherein the ~~said~~ method ~~is constructed in a manner such that~~further comprises:

including   control   information   regarding   the   data transmission unit whose contents are updated in accordance with ~~an~~ updating ~~of~~ the object which belongs thereto ~~is included~~ in ~~said~~ the cyclic data unit, and

said ~~object updating notifying~~ processing step executes at least ~~-~~

a   first   process   for   allowing   the   client   to   transmit   a subscribe event ~~to subscribe a~~ indicating reception of a control information updating event to the server,

a   second   process   for   allowing   the   client   to   notify   the server ~~side~~ of an object ID of an ~~interesting~~ object of interest and allowing the server ~~side~~ to return a data transmission unit ID ~~of the data transmission unit to~~ which corresponds to the notified object ~~belongs~~ of interest to the client,

a   third   process   for   allowing   the   client   to   form   table information   showing   a   correspondence   between   the   object   ID notified to the server side by said second process and the data transmission unit ID obtained from the server side by said second process,

a   fourth   process   for   allowing   the   client   to   transmit   an event notice ~~request to request a~~ requesting notification ~~of a~~

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~~generation~~ of an event generation to the server,

a fifth process for adding the data transmission unit ID shown by the updated control information when the updated control information is received by the server ~~as a~~in response ~~process~~ to ~~said~~ the event notice request in ~~said~~ the server and notifying the client of ~~a~~ generation of the control information updating event, and

a sixth process for allowing the client to search the data transmission unit ID of the table information which coincides with the data transmission unit ID obtained by said fifth process and specifying that the object shown by the object ID corresponding to ~~said~~ the searched data transmission unit ID has been updated.

12. (currently amended)   A data transmission control method according to claim 11, ~~characterized in that said method is constructed in a manner such that~~wherein the transmission of the subscribe event as said first process is executed when a program of the client is activated or when ~~said~~ the cyclic data unit ~~itself~~ is switched.

13. (currently amended)   A data transmission control method according to claim 11, ~~characterized in that said method is constructed in a manner such that~~ wherein after a response message to the event notice request from ~~said~~ the server was obtained, ~~the event notice request as~~ said fourth process is immediately executed.

14. (currently amended)   A data transmission control method according to claim ~~6~~7, ~~characterized in that said method is constructed in a manner such that~~wherein control information regarding the data transmission unit whose contents are updated in accordance with an updating of the object which belongs

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thereto is included in ~~said~~ the cyclic data unit, and

said object updating notifying process executes -

a first process for allowing the client to transmit a subscribe event to ~~subscribe a~~ request reception of a data transmission unit updating event to the server together with an object ID of an ~~interesting~~ object of interest and allowing the server to set a ~~peculiar~~ data transmission unit updating event ID in response to ~~it~~ the request and transmitting ~~said~~ the data transmission unit updating event ID to the client,

a second process for allowing the client to form table information showing a correspondence between the object ID transmitted to the server ~~side~~ by said first process and the data transmission unit updating event ID obtained from the server ~~side~~ by said first process,

a third process for allowing the client to transmit an event notice requesting ~~to request a~~ notification ~~of a generation~~ of ~~a~~ the data transmission unit updating event to the server,

a fourth process for adding said data transmission unit updating event ID shown by the updated control information and set in correspondence to the object ID of the object included in the data transmission unit when the updated control information is received as a response to said event notice request in ~~said~~ the server and notifying the client of a generation of the data transmission unit updating event, and

a fifth process for allowing the client to identify the object ID of the data transmission unit updating event ID of ~~said~~ the table information which coincides with the data transmission unit updating event ID obtained by said fourth process and specifying the object shown by said identified object ID as an updated object.

15. (currently amended)   A data transmission control

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method according to claim 14, ~~characterized in that~~wherein ~~said~~ the method further comprises executing ~~is constructed in a manner such that after a response message for the event notice request from the server was obtained,~~ the event notice request as said second process ~~is~~ immediately after a response message for the event notice request from the server is obtained~~executed~~.

16. – 22. (cancelled)

23. (currently amended)   A method of transmitting multimedia data, comprising: ~~transmitting method according to claim 16,~~

constructing an event notice using time information and an event name, the time information including a code at a defined position that shows immediate generation of an event; and

generating the code at the defined position of the time information of the event immediately when the event is intended to be generated and transmitted, and

~~wherein~~ when there are a plurality of ~~said~~ events, ~~said~~ the plurality of events are grouped ~~every event for data as~~ based on a ~~same~~ target, and when event information of a plurality of groups is simultaneously transmitted, a plurality of event information of each ~~said every~~ group is merged as one event packet and transmitted.

24. - 27.   (cancelled)

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